



הרשות הלאומית להסמכת מעבדות
Israel Laboratory Accreditation Authority

Department: Calibration Laboratory ISO/IEC 17025:2005 Accreditation No. 035

Name and Address:

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|--------------------------|---|
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Schedule of Accreditation

| Item | Scope Type | Site | Measurand Instrument, Gauge | Range [Including margins] (Does not include margins) | CMC Expressed as an Expanded Uncertainty (95%) | Reference Documents | Remarks | |
|--|------------|------|---|--|---|---------------------|------------------------------|--|
| Calibration - Large Volume Volumetric Instruments | | | | | כיל - כיל מכשירים וולומטריים - נפחים גדולים | | | |
| 1 | A | P | Liquid Mass. Liquid Mass Meters | מסת נוזלים. מדי מסת נוזל | [1 kg to 1600 kg] | 0.4 g/kg | Manufacturer recommendations | Internal Procedure |
| 2 | A | P | Liquid Mass. Weighing Tanks, Liquid Mass Meters | מסת נוזלים. מיכלים שקולים, מדי מסת נוזל | [1600 kg to 195000 kg] At flow rate of 0.12 kg/min to 1300 kg/min | 1.3 g/kg | ISO 10790 | Calibration by means of Coriolis flow meter |
| 3 | A | T | Liquid Mass. Weighing Tanks, Liquid Mass Meters | מסת נוזלים. מיכלים שקולים, מדי מסת נוזל | [1 kg to 195000 kg] At flow rate of 0.12 kg/min to 1300 kg/min | 1.3 g/kg | ISO 10790 | Calibration by means of Coriolis flow meter |
| 4 | A | P;T | Liquid Volume. Liquid Tanks, Liquid Volume Meters | נפח נוזלים. מיכלים למדידת נפח נוזלים, מדי נפח נוזלים | [1 L to 195000 L] At flow rate of 0.12 L/min to 1300 L/min | 1.4 mL/L | ISO 10790 | Calibration by means of Coriolis flow and density meter. |

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| Calibration - Physical Quantities - Liquid and Air Flow | | | | | כיל - גדלים פיזיקליים - זרימה, נוזל ואויר | | | |
| 5 | A | P | Liquid Mass Flow rate, | ספיקת נוזלים מסתית, | [3.6 g/min to 30 g/min] | 0.09 % OR | Manufacturer recommendations | Calibration by means of weighing |
| 6 | A | P | Liquid Mass Flow rate Meter | מד ספיקה מסתית לנוזלים | [0.03 kg/min to 60 kg/min] | 0.03 % OR | | |
| 7 | A | P | | | (60 kg/min to 300 kg/min) | 0.04 % OR | ISO 10790 | |
| 8 | A | P | | | (300 kg/min to 1300 kg/min) | 0.05 % OR | | |

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| Calibration - Physical Quantities - Liquid and Air Flow | | | | | כיוול - גדלים פיזיקליים - זרימה, נוזל ואויר | | |
| 9 | A | P;T | Liquid Mass Flow rate, ספיקת נוזלים מסתית, | (3.6 g/min to 30 g/min) | 0.40 % OR | Manufacturer recommendations | Calibration by means of Coriolis flow meter |
| 10 | A | P;T | Liquid Mass Flow rate Meter | (30 g/min to 120 g/min) | 0.14 % OR | ISO 10790 | |
| 11 | A | P;T | | [0.12 kg/min to 1300 kg/min] | 0.11 % OR | | |
| 12 | A | P | Liquid Volume Flow rate, ספיקת נוזלים נפחית, | [3.6 mL/min to 30mL/min] | 0.10 % OR | Manufacturer recommendations | Calibration by means of weighing and density calibration |
| 13 | | | Liquid Volume Flow rate Meter | [0.03 L/min to 60 L/min] | 0.04 % OR | ISO 10790 | |
| 14 | A | P | | (60 L/min to 300 L/min) | 0.05 % OR | | |
| 15 | A | P | | (300 L/min to 1300 L/min) | 0.06 % OR | | |
| 16 | A | P;T | Liquid Volume Flow rate, ספיקת נוזלים נפחית, | (3.6 mL/min to 30 mL/min) | 0.40 % OR | Manufacturer recommendations | Calibration by means of Coriolis flow meter |
| 17 | A | P;T | Liquid Volume Flow rate Meter | (30 mL/min to 120 mL/min) | 0.15 % OR | ISO 10790 | |
| 18 | A | P;T | | [0.12 L/min to 1300 L/min] | 0.12 % OR | | |
| 19 | A | P;T | Gas Mass Flow rate, ספיקת גזים מסתית, | (6 mg/min to 12 mg/min) | 0.70 % OR | Manufacturer recommendations | Flow rates values may be converted to other units by taking into account relevant reference conditions. |
| 20 | A | P;T | Gas Mass Flow rate Meter | (0.06 g/min to 3.6 g/min) | 0.65 % OR | ISO 10790 | |
| 21 | A | P;T | | (3.6 g/min to 960 g/min) | 0.60 % OR | | |
| 22 | A | T | | (3.6 g/min to 900 kg/min) | 0.60 % OR | | |
| 23 | A | P;T | Gas Volume Flow rate, ספיקת גזים נפחית, Gas Volume Flow rate Meter | (5 to 5000) mL/min | 0.50 % OR | Manufacturer recommendations | Calibration by means of Piston prover Flow rates values may be converted to other units by taking into account relevant reference conditions. |

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| Calibration - Physical Quantities - Pressure | | | | | כיוול - גדלים פיזיקליים - לחץ | | |
| 24 | A | P;T | Pressure, Hydraulic pressure Pressure meters and transmitters | לחץ, לחץ הידראולי מדי לחץ משדרי לחץ [0.7 MPa to 35 MPa] [35 MPa to 70 MPa] | 1.2 Pa/kPa 1.4 Pa/kPa | EURAMET cg-17 OIML R 101 | Pressure Calibrator Druck |
| 25 | A | P;T | Pressure, Pneumatic, Absolute Pressure meters and transmitters | לחץ, לחץ אבסולוטי בגז מדי לחץ משדרי לחץ [80 kPa to 115 kPa] | 0.7 Pa/kPa | EURAMET cg-17 OIML R 101 | Pressure Calibrator Druck |
| 26 | A | P;T | Pressure, Pneumatic, Gauge Pressure meters and transmitters | לחץ, לחץ יחסי בגז מדי לחץ משדרי לחץ [-100 kPa to -20 kPa] | 0.7 Pa/kPa | EURAMET cg-17 OIML R 101 | Pressure Calibrator Druck |
| 27 | A | P;T | | [-20 kPa to -2 kPa] | 15 Pa | | |
| 28 | A | P;T | | [2 kPa to 20 kPa] | 15 Pa | | |
| 29 | A | P;T | | [20 kPa to 2 MPa] | 0.5 Pa/kPa | | |
| 30 | A | P;T | | (2 MPa to 7 MPa] | 1.1 Pa/kPa | | |

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| Calibration - Physical Quantities - Temperature | | | | | | כיוול - גדלים פיזיקליים - טמפרטורה | | |
| 31 | A | P;T | Temperature, Temperature indicators for resistance sensors | טמפרטורה, מדידי טמפרטורה לגששי התנגדות | [-200 °C to 650 °C] | 0.25 °C | ASTM E 1137/1137M | Calibration by electrical simulation |
| 32 | A | P;T | Temperature, Temperature resistance sensors | טמפרטורה, מדי טמפרטורה התנגדות | [-30 °C to 120 °C] | 0.11 °C | ASTM E 1137/1137M | Comparison to PRT in liquid bath |

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| Calibration - Mechanical Quantities - Accelerometers | | | | | כיוול - גדלים מכניים – מדי תאוצה | | |
| 33 | A | P | Acceleration Piezoelectric Type accelerometer | מד תאוצה פייזואלקטרי [5 m/s ² to 200 m/s ²] [8 Hz to 10 Hz] (10 Hz to 3.5 kHz) | 1.6% OR 1.2 % OR | ISO 16063-21 | Back to back calibration versus standard accelerometer DUT Sensitivity range 0.1 pC/g to 999 pC/g g = 9.80655 m/s ² DUT mass up to 200 g OR –of reading |
| 34 | A | P | Acceleration Piezoresistive Type accelerometer | מד תאוצה פייזורזיסטיבי [5 m/s ² to 200 m/s ²] [8 Hz to 10 Hz] (10 Hz to 3.5 kHz) | 1.6 % OR 1.2 % OR | ISO 16063-21 | Back to back calibration versus standard accelerometer DUT Sensitivity range 0.1 mV/g to 999 mV/g g = 9.80655 m/s ² DUT mass up to 200 g OR –of reading |
| 35 | A | P | Vibration Transducer Type Velocity Transducer | מד מהירות [5 m/s ² to 200 m/s ²] [45 Hz to 3.5 kHz] | 1.2% OR | ISO 16063-21 | Back to back calibration versus standard accelerometer DUT Sensitivity range 0.1 mV/IPS to 999 mV/IPS g = 9.80655 m/s ² DUT mass up to 200 g OR –of reading |

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